AMENDMENTS TO THE CLAIMS:

The present Amendment has been prepared in accordance with a revised format established by the U.S. Patent and Trademark Office, as permitted in the Pre-OG Notice entitled "Amendments in a Revised Format Now Permitted."

Please amend Claims 1-31 as follows. In accordance with the Revised Amendment Format, the status of all claims is identified below.

1. (Currently Amended) An electron source forming substrate where an A substrate structure which is a precursor to an electron source, and on which an electron-emitting device of the electron source is arranged to be disposed, comprising:

a substrate; and

an insulating material film which is disposed on a surface of provided on said substrate, at which surface said electron-emitting device of said substrate is arranged, and which contains

wherein said insulating material film comprises a plurality of metallic oxide particles having an average particle size within the <u>a</u> range of 6 nm to 60 nm as expressed in a median value.

- 2. (Currently Amended) The electron source forming substrate structure according to claim 1, wherein said insulating material film further contains comprises phosphorus.
 - 3. (Currently Amended) The electron source forming substrate structure

Cares 91

according to claim 1, wherein said insulating material film contains comprises phosphorus in 1 weight portion to 10 weight portions.

- 4. (Currently Amended) The electron source forming substrate structure according to any one of claims 1 to 3, wherein a thickness of said insulating material film is within the a range of 200 nm to 600 nm.
- 5. (Currently Amended) The electron source forming substrate structure according to any one of claims 1 to 3, wherein the a thickness of said insulating material film is within the a range of 300 nm to 400 nm.
- 6. (Currently Amended) The electron source forming substrate structure according to any one of claims 1 to 3, wherein on said insulating material film, a film comprising an insulating material is further laminated.
- 7. (Currently Amended) The electron source forming substrate structure according to claim 6, wherein the <u>a</u> thickness of the film comprising said the insulating material is within the <u>a</u> range of 20 nm to 150 nm.
- 8. (Currently Amended) The electron source forming substrate structure according to claim 6, wherein the <u>a</u> thickness of the film comprising said insulating material is within the <u>a</u> range of 40 nm to 100 nm.

Care of

9. (Currently Amended) An electron source forming A substrate structure which is a precursor to an electron source, and on which where an electron-emitting device of the electron source is arranged to be disposed, comprising:

a substrate; and

an SiO₂ film which is disposed on the surface where said electron-emitting device of said substrate is arranged, and which contains provided on said substrate.

wherein said SiO₂ film comprises a plurality of metallic oxide particles having an average particle size within the <u>a</u> range of 6 nm to 60 nm as expressed in the <u>a</u> median value.

- 10. (Currently Amended) The electron source forming substrate structure according to claim 9, wherein said SiO₂ film further contains comprises phosphorus.
- 11. (Currently Amended) The electron source forming substrate structure according to claim 9, wherein said SiO₂ film further contains comprises phosphorus in 1 weight portion to 10 weight portions.
- 12. (Currently Amended) The electron source forming substrate structure according to claim 9, wherein the <u>a</u> thickness of said SiO₂ film is within the <u>a</u> range of 200 nm to 600 nm.
- 13. (Currently Amended) The electron source forming substrate structure according to claim 9, wherein the a thickness of said SiO₂ film is within the a range of 300

nm to 400 nm.

Cath a!

- 14. (Currently Amended) The electron source forming substrate structure according to claim 9, wherein on said SiO₂ film a film comprising an SiO₂ film is further laminated.
- 15. (Currently Amended) The electron source forming substrate structure according to claim 14, wherein the \underline{a} thickness of the film comprising said SiO₂ film is within the \underline{a} range of 20 nm to 150 nm.
- 16. (Currently Amended) The electron source forming substrate structure according to claim 14, wherein the <u>a</u> thickness of the film comprising said SiO₂ film is within the <u>a</u> range of 40 nm to 100 nm.
- 17. (Currently Amended) The electron source forming substrate structure according to claim 1 or 9, wherein the average particle size as expressed in said the median value is within the a range of 15 nm to 30 nm.
- 18. (Currently Amended) The electron source forming substrate structure according to claim 1 or 9, wherein said the metallic oxides oxide particles are electron conduction oxide particles.
 - 19. (Currently Amended) The electron source forming substrate structure

Contable 1

according to claim 1 or 9, wherein said the metallic oxide particles are metallic oxide particles chosen from at least one of the oxides of Fe, Ni, Cu, Pd, Ir, In, Sn, Sb and Re.

- 20. (Currently Amended) The electron source forming substrate structure according to claim 1 or 9, wherein said the metallic oxides oxide particles are particles of SnO₂.
- 21. (Currently Amended) The electron source forming substrate structure according to claim 1 or 9, wherein said substrate is a substrate comprising containing sodium.
- 22. (Currently Amended) An electron source comprising the <u>a</u> substrate <u>structure</u> and <u>an at least one</u> electron-emitting device arranged on said substrate, wherein said substrate <u>structure</u> is the <u>electron source forming</u> substrate <u>structure</u> according to claim 1 or 9.
- 23. (Currently Amended) The electron source according to claim 22, wherein each of said at least one electron-emitting device is an electron-emitting device comprising an a conductive film containing an electro-emitting electron-emitting portion.
- 24. (Currently Amended) The electron source according to claim 22, wherein said at least one electron-emitting device is a plurality of said electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of

column directional wirings.

Call 21

- 25. (Currently Amended) The electron source according to claim 22, wherein said at least one electron-emitting device is an electron-emitting device comprising an a conductive film containing the comprising an electron-emitting portion between one pair of electrodes.
- 26. (Currently Amended) The electron source according to claim 25, wherein the at least one electron-emitting device is a plurality of said electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of column directional wirings, wherein said one pair of electrodes are composed of the a material comprising platinum as the a principal component and wherein said wirings are composed of the a material comprising silver as the a principal component.
- 27. (Currently Amended) An image display apparatus comprising an envelope, an at least one electron-emitting device disposed in said envelope on a substrate structure, and an image display member for displaying images by irradiation of the at least one electron from said at least one electron-emitting device devices, wherein the substrate where said electron-emitting device is arranged structure is the electron source forming substrate structure according to claim 1 or 9.
- 28. (Currently Amended) The image display apparatus according to claim 27, wherein said at least one electron-emitting device is an electron-emitting device

Could a1

comprising an a conductive film containing the comprising an electron-emitting portion.

- 29. (Currently Amended) The image display apparatus according to claim 27, wherein said at least one electron-emitting device is a plurality of said electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of column directional wirings.
- 30. (Currently Amended) The image display apparatus according to claim 27, wherein <u>each of</u> said electron-emitting <u>device</u> <u>devices</u> is an electron-emitting device comprising <u>a</u> conductive film containing the electro-emitting <u>comprising an electron-emitting</u> portion between one pair of electrodes.
- 31. (Currently Amended) The image display apparatus according to claim 30, wherein the at least one electron-emitting device is a plurality of said electron-emitting devices that are matrix-wired by a plurality of row-directional wirings and a plurality of column directional wirings, wherein said one pair of electrode electrodes are composed of the a material comprising platinum as the a principal component and wherein said wirings are composed of the a material comprising silver as the a principal component.